

Abstract

A graphical interface is provided to manage interfaces with hardware and software devices. The graphical communication interface can be operated on an electronic device to simplify management of one or more interfaces, while providing opportunities for enhanced capabilities and control of the interfaces. The graphical communication interface can create objects that are associated with hardware or software devices. The objects are representative of the device and are depicted in the graphical interface. The object is configured to be interactive with the device and enable communication between the graphical interface and the hardware device. The graphical interface can include both software objects and hardware objects and the objects can include user-defined protocols to communicate with the device, allowing communications with a wide variety of devices. Analysis objects may also be created for interaction with the hardware objects or software objects.